SBR No. 88/22-23
DATED 07/02/2023

Original/Duplicate/Triplicate

EE/ELE/Y/BR.No.....

CONTRACT CERTIFICATE

(For Other Works)

Dt.....

No. 4th RA bill

Date.....2022

Division: **Electrical (yelahanka)** Sub-Division: **Electricals**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....

Sub Divisional **Job Code :-006-22-000007**

Schedule Docket No. Head of Account **: P 0300** M&R to Street lights - Replacement of Burnt bulbs etc

D.R.No**. : Period 1-11-2022 to 30-11-2022 (for 1months)**

Name of Work : *Annual Maintenance and repairs of street lights in ward no 06 Package Y-06 of Yelahanka Zone"*

Name of Contractor and Full Address:**Sri Pradeepkumar S.N. Pro of M/s Ganga Enterprises**

Reference to Agreement No:- EE/Ele/YZ/AG/000006/2022-23 Date:01/04/2022

Reference to Work order No:- EE/Ele/YZ/WO/000006/2022-23 Date:01/04/2022

Certified that the measurements were taken by me on 2/12/22 and recorded of Pages 260311 to 260313 of measurement Book No. 2604/22 and that the work is satisfactorily executed.

For GANGA ENTERPRISES Proprietor

Contractor **Officer-in-charge of work**

Certified that the measurement were taken by me on 2/12/22 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

II Memorandum of Payment

1) Total value of work done or supplies made as per account within	UPDT	3809346:00
2) Deduct amount to be held in reserve being .....percent Rs.....	P.BILL	3333177:75
3) " Balance	4thRABILL	476168:00
4) Deduct Payment:		
a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount adjusted towards cash advance recovery of	IT 1%	4762:00
	Lhe 1%	4762:00
	CBF 0.1%	476:00
b) Payments Now made cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	Const 1%	4762:00
	Scnst 1%	4762:00
	Fine	5200:00
	Scrap 2%	9523:00
	Deduction	34247:00
	bycheque	441921:00
5) Balance being unpaid value of work done held in reserve.		
6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.		
7) Net amount due to or from Contractor unadjustments items.		
8) Advance to Contractor for materials brought to site (as detailed) within.		
9) Value of Government materials supplied.		
Total amount adjusted -		

For GANGA ENTERPRISES Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands)

Proprietor

(For use in the Office)

Witness

1.

2.

For GANGA ENTERPRISES Stamp

Dated Signature of Contractor Proprietor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....Initials of Officer making payment

ಲೆಕ್ಕ ಶೀರ್ಷಿಕೆ P0300 M and R to Street lights

ರೂ: 476168:00 ಆದಿಪ್ ಮಾಡಿ ಸ್ವೀಕರಿಸಿದೆ

ರೂ: 441921:00 ಚೆಕ್ ನೀಡಬಹುದಾಗಿದೆ

ರೂ: 34247:00 ಹೊಂದಾಣಿಕೆ ಮಾಡಿದೆ

Executive Engineer

ಲೆಕ್ಕ ಶೀರ್ಷಿಕೆಕರು ಕಾ.ಪಾ.ಅ.(ವಿ) ಯಲಹಂಕ ವಲಯ

Sl. No.	Description of item	Unit
	Name of Work :-Annual Maintenance and repairs of street lights in ward no 06 Package Y -06 of Yelahanka Zone"	
1	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 36/40 W fluorescent tube light street lighting systems.	Each
2	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 125 W HPMV light Park lighting systems.	Each
3	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 250W HPSV street light lighting systems.	Each
4	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents 400 watts HPSV street light/High Mast lighting systems.	Each
5	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 24 watt LED park lighting systems.	Each
6	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 65 watt LED street light lighting systems.	Each
7	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 90 watt LED street light lighting systems.	Each
8	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 110/120 watt LED streetlight lighting system	Each

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
		1	Months		Upto Date paid so for 8 Months		
79x7 Months	18890.48	79.00	34.16	2698.64	79x8 Months	21589.12	
45x7 Months	17060.40	45.00	54.16	2437.20	45x8 Months	19497.60	
4805x7 Months	2724435.00	4805.00	81.00	389205.00	4805x8 Months	3113640.00	
120x7 Months	76994.40	120.00	91.66	10999.20	120x8 Months	87993.60	
32x7 Months	14931.84	32.00	66.66	2133.12	32x8 Months	17064.96	
727x7 Months	466457.74	727.00	91.66	66636.82	727x8 Months	533094.56	
19x7 Months	14407.89	19.00	108.33	2058.27	19x8 Months	16466.16	
0	0.00	0.00	125.00	0.00	0	0.00	

9	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 150 watt LED street light /High mast lighting system	Each
10	Painting of existing Street lighting pole after scraping the oid paint and painted with suitable colour enamel/silver paint including copingflooting of the polec) Up to 5 Mtrs Street light pole	Nos
11	Painting of existing Street lighting pole after scraping the oid paint and painted with suitable colour enamel/silver paint including copingflooting of the polec) 8 Mtr and above Street light pole	Nos
12	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) 100Amps 25kA.	Each
13	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop- Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/ Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets.260mmx210mmx116mm	Each
14	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 4 core 16 sqmm	Mtr
15	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.On wall /Structure 6 sqmm to 16 sqmm	Mtr
16	Supply and fixing of 4 pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.100 to 125Amps	Each
17	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers.	Each
18	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 50-63 Amps SP	Each
19	1.1 kV, LT Aerial Bunched Cable, confirming to IS-14255: 1995 XLPE insulation Parameter shall be as below 1. Hot Set Test: a) Elongation under Load: 50% (Max) b) Permanent Elongation After Cooloing: 3% (Max) 2. Thermal Aging in oven: a) Tensile Strength: 16 N/mm² (Min) b) Elongation: 375% (Min) 3. Water Absorption Test a) Water absorbed: 0.5 mg/cm² (Max) 4. Carbon Black Content shall be ranging from 2% to 3% Street light (Insulated Messenger cum Neutral) 3x25 + 1x25 + 1x16 Sqmm	KM
20	Stringing of 1.1 kV grade Aerial Bunched 3 Core cable of XLPE insulation of size (3x95) (Phase Conductor) + (1x70) (Insulated Messenger Neutral) + (1x25) (Street Light Control)	KM
	TOTAL Rs	
	Add GST 12 % on item no 10 to 20	
	TOTAL Rs	
	Fine imposed for non burning of street lights For the period of 1/11/2022 to 30/11/2022	
	As per street light agreement clause 2% will be deducted in monthly maintenance bill against the released scrap material	
	GRAND TOTAL	

Certificate

The above said monthly maintenance work has been carried out satisfactorily

2/12/22

Assistant Executive Engineer (Ele)
BBMP, Bangalore

0	0.00	0.00	150.00	0.00	0	0.00	
0	0.00	0.00	415.00	0.00	0	0.00	
0	0.00	0.00	650.00	0.00	0	0.00	
0	0.00	0.00	3850.00	0.00	0	0.00	
0	0.00	0.00	1850.00	0.00	0	0.00	
0	0.00	0.00	140.00	0.00	0	0.00	
0.00	0.00	0.00	20.00	0.00	0	0.00	
0.00	0.00	0.00	6200.00	0.00	0	0.00	
0	0.00	0.00	2859.00	0.00	0	0.00	
0	0.00	0.00	623	0.00	0	0.00	
0	0.00	0.00	125000.00	0.00	0	0.00	
0	0.00	0.00	10500.00	0.00	0	0.00	
	3333177.75			**476168.25**		**3809346.00**	
	0.00			**0.00**		**0.00**	
	3333177.75			**476168.25**		**3809346.00**	
	26800.00			5200.00		32000.00	
	66663.56			9523.37		76186.92	
	3239714.20			**461444.89**		**3701159.08**	